

Sequence Listing

<110> Shen, Ben-Quan
Zioncheck, Thomas

<120> MODULATION OF eNOS ACTIVITY AND THERAPEUTIC USES THEREOF

<130> P1735R1

<140> US 09/700,806
<141> 2000-11-02

<150> PCT/US00/30294
<151> 2000-11-02

<150> US 60/163,132
<151> 1999-11-02

<160> 4

<210> 1
<211> 57
<212> DNA
<213> Artificial

<220>
<221> Misc_feature
<222> 1-57
<223> Sequence is synthesized.

<220>
<221> unsure
<222> 19, 20, 21, 28, 29, 30, 31, 32, 33, 40, 41, 42
<223> N at indicated positions may be G, A, T or C; S at indicated positions may be C or G

<400> 1
cacgaagtgg tgaagttcnn sgtatgtcnns nnscgcagcn nstgccatcc 50
aatcgag 57

<210> 2
<211> 42
<212> DNA
<213> Artificial

<220>
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<222> 1-42
<223> Sequence is synthesized.

<220>
<221> unsure
<222> 16, 17, 18, 22, 23, 24, 25, 26, 27
<223> N at indicated positions may be G, A, T or C; S at indicated positions may be C or G

<400> 2

gggggctgct gcaatnnsga gnnsnnsgag tgtgtgccca ct 42

<210> 3

<211> 990

<212> DNA

<213> Homo sapiens

<400> 3

cagtgtgctg gcggcccccgc gcgagccggc ccggcccccgg tcgggcctcc 50

gaaaccatga actttctgct gtcttgggtg cattggagcc tcgccttgct 100

gctctacctc caccatgccca agtggtccca ggctgcaccc atggcagaag 150

gaggagggca gaatcatcac gaagtggtga agttcatgga tgtctatcag 200

cgcagctact gccatccaat cgagaccctg gtggacatct tccaggagta 250

ccctgatgag atcgagtaca tcttcaagcc atcctgtgtg cccctgatgc 300

gatgcggggg ctgctgaat gacgagggcc tggagtgtgt gcccaactgag 350

gagtccaaca tcaccatgca gattatgcgg atcaaacctc accaaggcca 400

gcacatagga gagatgagct tcctacagca caacaaatgt gaatgcagac 450

caaagaaaaga tagagcaaga caagaaaatc cctgtggcc ttgctcagag 500

cggagaaagc atttgtttgt acaagatccg cagacgtgta aatgttcctg 550

caaaaacaca gactcgcgtt gcaaggcgag gcagcttgag ttaaacgaac 600

gtacttgcag atgtgacaag ccgaggcggt gagccggca ggaggaagga 650

gcctccctca gggtttcggg aaccagatct ctcaccagga aagactgata 700

cagaacgatc gatacagaaa ccacgctgcc gccaccacac catcaccatc 750

gacagaacag tccttaatcc agaaacctga aatgaaggaa gaggagactc 800

tgcgcagagc actttgggtc cggaggcgca gactccggcg gaagcattcc 850

cgggcgggtg acccagcacf gtccctcttg gaattggatt cgccatttt 900

tttttcttgc tgctaaatca ccgagcccg aagatttagag agttttattt 950

ctgggattcc tgttagacaca ccgcggccgc cagcacactg 990

<210> 4

<211> 191

<212> PRT

<213> Homo sapiens

<400> 4

Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu

1

5

10

15

Leu Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala
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Glu Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp
35 40 45

Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp
50 55 60

Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro
65 70 75

Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
80 85 90

Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln
95 100 105

Ile Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met
110 115 120

Ser Phe Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp
125 130 135

Arg Ala Arg Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg
140 145 150

Lys His Leu Phe Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys
155 160 165

Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn
170 175 180

Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
185 190